

**METHODS AND APPARATUS FOR REDUCING THE NUMBER OF SERVER  
INTERACTIONS IN NETWORK-BASED APPLICATIONS USING A  
DUAL-MVC APPROACH**

**Abstract of the Disclosure**

5           In accordance with a dual-MVC (Model-View-Controller) approach of the invention, the client machine maintains part of the Model, eliminating many round-trips to the server. The invention provides an implementation approach for constructing the frame(s) contained in the client's browser software to allow it to be refreshed locally. The invention addresses development and maintenance by specifying a library of  
10           functions that a programmer can use to construct the View and Controller on the client machine. When part of the Model is maintained on the client, the client has the ability to respond to user interaction without paying the performance penalty of continually interacting with the server.

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